

**Bachelor of Engineering and Bachelor of Science (BEBS) - BEng  
BScBSc**

## Program objectives

Graduates of the Bachelor of Engineering and Bachelor of Science program will have met the separate objectives of the [Bachelor of Engineering](#) and the [Bachelor of Science](#) programs.

## Admission requirements

### Applicants shall normally:

- have studied four semester units and achieved an exit assessment of “Sound Achievement” or better in each of the following Queensland Senior Secondary School subjects: English and Mathematics B. It is recommended that applicants should also have satisfactorily completed the subject: Physics, or
- be able to demonstrate that they have achieved an equivalent standard in these subjects at another institution, and
- **Australian applicants:** have achieved a Queensland Overall Position (OP) band, or an equivalent Rank based on qualifications and previous work experience, at or above the specified cut-off level.

To be admitted to the program, students who intend studying part-time (i.e. less than six units per year) must be eligible to receive at least 16 units of exemptions. This is necessary to ensure that these

Where students intend to complete the program using a combination of full-time and part-time study the maximum time for completion will be calculated on a pro-rata basis.

For more details of the two programs that comprise this award, applicants are asked to refer to the [Bachelor of Science](#) and [Bachelor of Engineering](#) sections of this Handbook.

The Bachelor of Engineering and Bachelor of Science is a 40-unit program consisting of Academic courses and Practice courses.

**Academic** courses are normally one-unit courses and involve approximately 155 hours of student work per unit.

**Practice** courses are zero unit courses and each involves approximately 50 hours of student work. The only grades available for a Practice Course are Pass (P) and Fail (F). A Practice Course is designed to enable students to acquire specific competencies associated with their Engineering major study. These competencies range from specific practical and communication skills through to generic competencies relating to ethical and social responsibility, awareness of the environment, teamwork, etc. For an external student a Practice Course generally involves attendance on-campus for a one-week



<b>Science major studies:</b>
Biology
Computing
Environment and Sustainability
Human Physiology
Mathematics
Physical Sciences

The courses comprising each of the Science majors are listed in the Bachelor of Science section of this Handbook.

Students who select the Mathematics major need to replace [MAT2100 Algebra and Calculus II](#) in that major with another mathematics third level course as [MAT2100 Algebra and Calculus II](#) is equivalent to MAT2500

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Where a course listed in a student's Science major is also listed in the core studies component of the program or in their Engineering major, then the student must select another course from the Science major or, with the approval of the Faculty of Health, Engineering and Sciences, another course offered by the Faculty.

Class of Honours	GPA Calculated from the Grades Achieved in:			Minimum Grade Achieved in Research Project Courses
	All Courses Studied in the Program	The Last 16 Courses Studied*#	The Last Eight Courses Studied*#	
First Class Honours	<b>6.0</b>	<b>6.2</b>	<b>6.5</b>	<b>A</b>
Second Class Honours - Division A	<b>5.5</b>	<b>5.7</b>	<b>5.9</b>	<b>B</b>
Second Class Honours - Division B	<b>5.0</b>	<b>5.1</b>	<b>5.3</b>	<b>C</b>
Minimum number of courses required	<b>20</b>	<b>16</b>	<b>8</b>	

**Footnotes**

\* The results from courses [ENG4111](#) and [ENG4112](#) must be included (unless the student is exempted from these courses).

# The best results in a semester are to be used when not all of the results from a semester are required.

**Other information**

To be eligible to graduate from the Bachelor of Engineering, students must obtain an aggregate of at least 60 days of suitable practical experience during their program. This experience may be in an engineering office or laboratory where the student would be working principally with professional engineers and engineering associates. It may, however, be preferable for students to spend some time in field or factory activities to gain insight into industrial practice and to see what is involved in converting designs into finished products. Students are required to enrol in [ENG4909 Work Experience - Professional](#) in the latter part of their program and keep a record of appropriate experience as specified in the Course Specification. The work experience is to be endorsed by an appropriate person in the organisation providing the experience and submitted to the examiner. The student must meet all costs associated with the acquisition of practical experience to satisfy this requirement. The record of work experience must be made available for perusal by the Faculty of Health, Engineering and